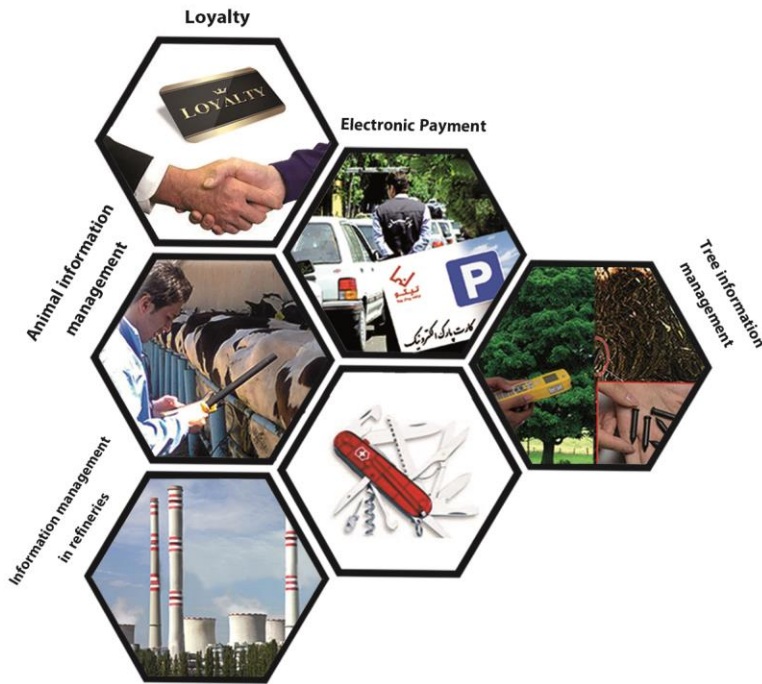




# Handheld Data Collector Terminal

Powered By RFID Technology



## Features

- Equipped with RFID Technology (LF & HF)
- Broad band Connections: GSM, GPRS and WIFI
- Windows Dll for high Level PC languages
- Programmable with C language
- Small and Light

## Applications

- Data gathering for Log sheets, Check lists, ...
- Information management in electrical power plants, refineries, ...
- Customer Loyalty System
- Animal information management
- Tree information management
- Empty post box
- Electronic payment (Tapco eCardPark system)
- Periodic and technical visit



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## HD20 Specifications

### General

Microcontroller	Silicon lab, 48MHZ
RAM	8Mbytes Flash
Date & Time	Real Time Counter (RTC)
Keyboard	25Keys: Digits and Functional, On/ Off key
Display	Graphic LCD, Two types of fonts: Large (4*16), Small (8*18) Contrast controllable, Backlight On/ Off
Other	Buzzer DC

### Power

Battery	Chargeable Li-ion, 3.7V/ 1700mAh
Charger	Adaptor 5V/ 1A, USB 5V
Work Time with Full Battery	Backlight Off: more than 24 hour
Data Retention	10 Years
Power Management	Turn Off Backlight Automatically Turn Off Device When Power is Low

### Connectivity

RFID Reader/ Writer	RFID HF 13.56MHz Reader/Writer-Range Max 5cm RFID LF 134.2KHZ Reader - Range 14cm RFID LF 125KHZ Reader - Range 20cm
miniUSB	For data exchange with PC and Battery Charging
D-Connector 9Pin Male	Connect to external RFID antenna
WIFI	802.11 b/g/n protocol +19.5dBm output power in 802.11b mode
GSM, GPRS	Frequency band: (Quad-band) GSM 850 EGSM 900, DCS 1800, PCS 1900 Transmitting power: Class4 (2W) at GSM 850 and EGSM 900 Class1 (1W) at DCS 1800 and PCS 1900

### Physical Characteristic

Size	191* 73* 32 mm (Length, Width, Thickness)
Type	ABS
Weight	275g (with battery)
Working Temperature	- 20 ~ 55 °C
Storage Temperature	- 30 ~ 70°C
Humidity	20 ~ 95% RH

### Software

Software	Windows Dll: Contain several methods to exchange data with device C Libraries: For device programming
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### Accessories

USB Cable
Adaptor 5V/ 1A
Carrier bag
External RFID LF Reader (optional)
RFID HF 13.56MHz Reader/Writer (optional)
RFID LF 134.2KHZ Reader (optional)
RFID LF 125KHZ Reader (optional)
WIFI module (optional)
GSM, GPRS module (optional)

### Development tools

Windows API
C Libraries

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